

=====

Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=6; day=16; hr=8; min=38; sec=56; ms=608;]

=====

Reviewer Comments:

<210> 21

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic 5' end of Primer typeA_oligo with spacer element

<220>

<221> modified_base

<222> (43)..(43)

<223> n is c modified through a 3' phosphodiester bond by 6 abasic nucleotides linked through a phosphodiester bond to the 5' end of SEQ ID NO:30

<400> 21

cgtcagctcg aattctccat atatgcagcg atagcgatn

39

The "n" in SEQ ID # 21 is located at position 39 not 43. Please make all necessary changes.

Application No: 10507140

Version No: 3.0

Input Set:

Output Set:

Started: 2008-05-19 18:29:24.489

Finished: 2008-05-19 18:29:38.660

Elapsed: 0 hr(s) 0 min(s) 14 sec(s) 171 ms

Total Warnings: 27

Total Errors: 1

No. of SeqIDs Defined: 27

Actual SeqID Count: 27

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2008-05-19 18:29:24.489
Finished: 2008-05-19 18:29:38.660
Elapsed: 0 hr(s) 0 min(s) 14 sec(s) 171 ms
Total Warnings: 27
Total Errors: 1
No. of SeqIDs Defined: 27
Actual SeqID Count: 27

Error code	Error Description
	This error has occurred more than 20 times, will not be displayed
E 342	'n' position not defined found at POS: 39 SEQID(21)

SEQUENCE LISTING

<110> Neri, Dario
Melkko, Samu

<120> Encoded self-Assembling Chemical libraries (ESACHEL)

<130> 080058-005920US

<140> 10507140

<141> 2005-09-19

<150> WO PCT/EP02/04153

<151> 2002-04-15

<150> US 60/362,599

<151> 2002-03-08

<160> 27

<170> PatentIn version 3.5

<210> 1

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer L19VH_Eco_fo

<400> 1

tttcacacag aattcattaa agaggagaaa ttaactatgg aggtgcagct gttggagtct 60

<210> 2

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer L19VH_Hind_ba

<400> 2

tcaatctgat taagcttagt gatggtgatg gtgatgacat ccaccactcg agacggtgac 60

cagggt 66

<210> 3

<211> 63

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer L19VL_Eco_fo

<400> 3
 ttccacacag aattcattaa agaggagaaa ttaactatgg aaattgtgtt gacgcagtct 60

 cca 63

<210> 4
 <211> 69
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Primer L19VL_Hind_ba

<400> 4
 tcaatctgat taagcttagt gatggtgatg gtgatgacat ccacctttga ttccacctt 60

 ggcccttg 69

<210> 5
 <211> 60
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Primer HH10VH_Eco_fo

<400> 5
 ttccacacag aattcattaa agaggagaaa ttaactatgg aggtgaagct gcgcagtct 60

<210> 6
 <211> 66
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Primer HH10VH_Hind_ba

<400> 6
 tcaatctgat taagcttagt gatggtgatg gtgatgacat ccactgcag agacagtgc 60

 cagagt 66

<210> 7
 <211> 63
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Primer HH10VL_Eco_fo

<400> 7
 ttccacacag aattcattaa agaggagaaa ttaactatgg atattgtgct aactcagtct 60

cca 63

<210> 8
<211> 69
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer HH10VL_Hind_ba

<400> 8
tcaatctgat taagcttagt gatggtgatg gtgatgacat ccacctttta tttccagctt 60

gggtcccccc 69

<210> 9
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer L19_5SH with 5'-thiol

<220>
<221> modified_base
<222> (1)..(1)
<223> n is g modified by a thiol group

<400> 9
ngagcttctg aattctgtgt gctgcataat cgacacgaat tccgcagc 48

<210> 10
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Primer L19_3SH with 3'-thiol

<220>
<221> modified_base
<222> (48)..(48)
<223> n is c modified by a thiol group

<400> 10
tcgcgagggg aattcgatcat atatcagcac acagaattca gaagctcn 48

<210> 11
<211> 48
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic Primer HyHel10_5SH with 5'-thiol

<220>

<221> modified_base

<222> (1)..(1)

<223> n is g modified by a thiol group

<400> 11

ngagcttctg aattctgtgt gctgcagtgg cgacacgaat tccgcagc

48

<210> 12

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer HyHel10_3SH with 3'-thiol

<220>

<221> modified_base

<222> (48)..(48)

<223> n is c modified by a thiol group

<400> 12

tcgcgagggg aattcgatcat agggcagcac acagaattca gaagctcn

48

<210> 13

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer GST_5SH with 5'-thiol

<220>

<221> modified_base

<222> (1)..(1)

<223> n is g modified by a thiol group

<400> 13

ngagcttctg aattctgtgt gctgctgagg cgacacgaat tccgcagc

48

<210> 14

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer GST_3SH with 3'-thiol

<220>

<221> modified_base

<222> (48)..(48)

<223> n is g modified by a thiol group

<400> 14
 tcgcgagggg aattcgtcaa gaggcagcac acagaattca gaagctcn 48

<210> 15
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Primer 1AB_PCRfo

<400> 15
 ggagcttctg aattctgtgt gctg 24

<210> 16
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Primer 1APCRba

<400> 16
 gctgcggaat tcgtgtcg 18

<210> 17
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Primer 1B_PCRba

<400> 17
 tcgcgagggg aattcgtc 18

<210> 18
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Primer with 5' sequence acting as a code for
 sub-library A

<220>
 <221> misc_feature
 <222> (1)..(5)
 <223> n is a, c, g, or t

<400> 18
 nnnnncagca cacagaattc agaagctcc 29

<210> 19
 <211> 29
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Primer with 3' sequence acting as a code for
 sub-library B

 <220>
 <221> misc_feature
 <222> (25)..(29)
 <223> n is a, c, g, or t

 <400> 19
 ggagcttctg aattctgtgt gctgnnnnn 29

 <210> 20
 <211> 39
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Primer typeB_oligo

 <400> 20
 gcataccgga attcccagca taatgatcgc tatcgctgc 39

 <210> 21
 <211> 39
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic 5' end of Primer typeA_oligo with spacer element

 <220>
 <221> modified_base
 <222> (43)..(43)
 <223> n is c modified through a 3' phosphodiester bond by 6 abasic
 nucleotides linked through a phosphodiester bond to the 5' end of
 SEQ ID NO:30

 <400> 21
 cgtcagctcg aattctccat atatgcagcg atagcgatn 39

 <210> 22
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>

<223> Synthetic Primer CodeABfo

<400> 22

gcataccgga attcccag

18

<210> 23

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer CodeABba

<400> 23

cgtcagctcg aattctcc

18

<210> 24

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer linked to primer by a biotinylated base analog
with 5' sequence specific for a chemical moiety

<220>

<221> misc_feature

<222> (1)..(1)

<223> n = biotinylated base analog modified by an oligonucleotide
of undefined length

<400> 24

ncagcacaca gaattcagaa gctcc

25

<210> 25

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic sequence at the C-terminus of products subcloned into
pQE12

<400> 25

Gly Gly Cys His His His His His His

1

5

<210> 26

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic 3' end of Primer typeA_oligo with spacer element

<220>

<221> modified_base

<222> (1)..(1)

<223> n is c modified through a 5' phosphodiester bond by 6 abasic
nucleotides linked through a phosphodiester bond to the 3' end of
SEQ ID NO:21

<400> 26

ntgggaattc cggatatgc

18

<210> 27

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer linked to primer by a biotinylated base analog
with 5' sequence specific for a chemical moiety

<400> 27

cagcacacag aattcagaag ctcc

24